

Notice of Allowability

Application No.

10/038,978

Examiner

VAN H. NGUYEN

Applicant(s)

ROACH ET AL.

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendments and supporting arguments filed 11/16/05.
2. ☒ The allowed claim(s) is/are 1, 4-9, 11-13, 15, and 16 (now renumbered as 1-12).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT & REASONS FOR ALLOWANCE

I. EXAMINER'S AMENDMENT:

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Steven W. Smith (Reg. No.36, 684) on December 02, 2005.

3. **The application has been amended as follows:**

In the Claims:

A. All previous copies of claim 1 has been replaced with the following clean copy of claim 1 as amended by the Examiner's amendment:

Claim 1. An architecture for a communications node in a telecommunications network, said node performing a plurality of call-control functions using a single physical platform, said architecture comprising:

a plurality of application-specific logic blocks, each of the application-specific logic blocks performing application-level logic corresponding to one of the plurality of call-control functions;

an engine module interfaced with and supporting all of the application-specific logic blocks, said engine module comprising:

a plurality of functional blocks, selected ones of said functional blocks being operable to perform selected ones of the call-control functions when interfaced with selected ones of the application-specific logic blocks;

at least one mapping table that selectively interfaces selected application-specific logic blocks with the plurality of functional blocks in the engine module, and selects appropriate functional blocks for matching with each application-specific logic block to create a specific call-control function; and

an operating system supporting all of the functional blocks and application-specific logic blocks;

a plurality of servlet Application Programming Interfaces (APIs) operable to provide a plurality of supplementary user services; and

a servlet manager interfaced with the plurality of servlet APIs and with the plurality of application-specific logic blocks, said manager being operable to provide selected ones of the supplementary user services to any one of the application-specific logic blocks;

wherein the mapping table includes groups of network addresses for application-specific logic blocks and for functional blocks in the engine module, each of said

groups of addresses identifying a selected application-specific logic block and at least one functional block in the engine module that together perform the call-control function corresponding to the selected application-specific logic block.

B. Claims 2 and 17-19 have been cancelled.

II. REASONS FOR ALLOWANCE:

1. The following is an examiner's statement of reasons for allowance:
2. The prior art does not expressly teach or render obvious the invention as recited in independent claims 1, 9, and 13.
3. Ejzak et al. (U.S. 6,781,070 B2) discloses "*an architecture for a communications node in a telecommunications network, said node performing a plurality of call-control functions using a single physical platform, said architecture comprising: a plurality of application-specific logic blocks, each of the application-specific logic blocks performing application-level logic corresponding to one of the plurality of call-control functions; an engine module interfaced with and supporting all of the application-specific logic blocks, said engine module comprising: a plurality of functional blocks, selected ones of said functional blocks being operable to perform selected ones of the call-control functions when interfaced with selected ones of the application-specific logic blocks; and an operating system supporting all of the functional blocks and application-specific logic blocks*" [see fig.3 and the accompanying text beginning at col.10, line 16].

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4. Faccin et al. (Pub. No.: US 2002/0120729 A1) is combined with Ejzak et al. to teach the use of *“at least one mapping table that selectively interfaces selected application-specific logic blocks with the plurality of functional blocks in the engine module, and selects appropriate functional blocks for matching with each application-specific logic block to create a specific call-control function”* [see paras. 0032 and 0126].

5. The combination of Ejzak and Faccin, however, does not specifically disclose the use of *“a plurality of servlet Application Programming Interfaces (APIs) operable to provide a plurality of supplementary user services; and a servlet manager interfaced with the plurality of servlet APIs and with the plurality of application-specific logic blocks, said manager being operable to provide selected ones of the supplementary user services to any one of the application-specific logic blocks; wherein the mapping table includes groups of network addresses for application-specific logic blocks and for functional blocks in the engine module, each of said groups of addresses identifying a selected application-specific logic block and at least one functional block in the engine module that together perform the call-control function corresponding to the selected application-specific logic block”* as recited in independent claims 1, 9, and 13.

6. Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of an architecture for a communications node in a telecommunications network in this specific environment, would have integrated or modified to teach the architecture for a communications node in a telecommunications network including the specific features as recited in the context of independent claims 1, 9, and 13.

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7. Dependent claims are allowed as they depend upon allowable independent claims.
8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for patents
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Alexandria, VA 22313-1450

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